

VOLUME-II
PERCENTAGE BOQ

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|---|------------------------------|----------------------|-----------------------|----------------------------|---|
| Tender Inviting Authority: NHIDCL | | | | | |
| Name of Work: Short Term Improvement & Routine Maintenance of Imphal-Jiribam Road from Km 145.00 to Km 220.00(Length=75 Km) of NH-53 (New NH-37) (Package-III) in the state of Manipur. | | | | | |
| Contract No: NHIDCL/Manipur/NH-53(New NH-37)/Maintenance/Pkg-III | | | | | |
| Bidder Name : | | | | | |
| PRICE SCHEDULE | | | | | |
| (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only) | | | | | |
| NUMBER # | TEXT # | TEXT # | NUMBER | NUMBER # | TEXT # |
| Sl. No. | Item Description | Units | Estimated Rate | TOTAL AMOUNT Without Taxes | TOTAL AMOUNT In Words |
| 1 | 2 | 5 | 6 | 53 | 55 |
| 1.01 | Road Maintenance | | | 35866711.04 | INR Three Crore Fifty Eight Lakh Sixty Six Thousand |
| 1.02 | Road property Management and | | | 219360.54 | INR Two Lakh Nineteen Thousand Three Hundred & |
| 1.03 | Safety Improvement | | | 362382935.42 | INR Thirty Six Crore Twenty Three Lakh Eighty Two |
| 1.04 | Incident Management | | | 270000.00 | INR Two Lakh Seventy Thousand Only |
| Total in Figures | | | | 398739007.00 | INR Thirty Nine Crore Eighty Seven Lakh Thirty Nine Thousand & Seven Only |
| Quoted Rate in Figures | | Select | | 0.00 | INR Zero Only |
| Quoted Rate in Words | | INR Zero Only | | | |

- Note : Bidder has to quote % above or below and quoted rates in figures & words will be auto generated which shall binding on the bidder to agree the amount to work.

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|-----------------------------|---|---|--------|----------------|----------------------------|--|
| Sl. No. | Item Description | Quantity | Units | Estimated Rate | TOTAL AMOUNT Without Taxes | TOTAL AMOUNT In Words |
| 1 | 2 | 4 | 5 | 6 | 53 | 55 |
| 1 | Hill side Drain Clearance Removal of earth from the choked hill side drain and disposing it on the valley side manually | 30000.000 | Rm | 28.62 | 858600.00 | INR Eight Lakh Fifty Eight Thousand Six Hundred Only |
| 2 | Land Slide Clearance in soil Clearance of land slides in soil and ordinary rock by a bulldozer D 80 A-12, 180 HP and disposal of the same on the valley side. | 21800.000 | cum | 69.55 | 1516190.00 | INR Fifteen Lakh Sixteen Thousand One Hundred & Ninety Only |
| 3 | Construction of boulder sausage wall with broken or angular boulder 1m height, 1.4m wide at bottom and 0.90m at top and 1:4 slope i/c cost of 3mm G.I wire netting 10cm square diagonal mesh with overlapping of 0.60m i/c earth work in foundation trenches etc. and fixing 20cm dia Sahi-kuhi post or equivalent of 2.2 m length, 1m above the ground level and 1.2m side the ground at interval 1.5m c/c complete. | 4968.000 | cum | 6741.53 | 33491921.04 | INR Three Crore Thirty Four Lakh Ninety One Thousand Nine Hundred & Twenty One and Paise Four Only |
| Total in Figures | | | | | 35866711.04 | INR Three Crore Fifty Eight Lakh Sixty Six Thousand Seven Hundred & Eleven and Paise Four Only |
| Quoted Rate in Words | | INR Three Crore Fifty Eight Lakh Sixty Six Thousand Seven Hundred & Eleven and Paise Four Only | | | | |

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Name of Work: Short Term Improvement & Routine Maintenance of Imphal-Jiribam Road from Km 145.00 to Km 220.00(Length=75 Km) of NH-53 (New NH-37) (Package-III) in the state of Manipur.

Contract No: NHIDCL/Manipur/NH-53(New NH-37)/Maintenance/Pkg-III

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| Sl. No. | Item Description | Quantity | Units | Estimated Rate | TOTAL AMOUNT Without Taxes | TOTAL AMOUNT In Words |
| 1 | 2 | 4 | 5 | 6 | 53 | 55 |
| 1 | Reinforced cement concrete M15 kilometer | | | | | |
| 1.01 | 5th KM stone | 14.000 | each | 4447.69 | 62267.66 | INR Sixty Two Thousand Two Hundred & |
| 1.02 | Ordinary kilometer stone | 56.000 | each | 2805.23 | 157092.88 | INR One Lakh Fifty Seven Thousand |
| Total in Figures | | | | | 219360.54 | INR Two Lakh Nineteen Thousand Three Hundred & Sixty and Paise Fifty Four Only |
| Quoted Rate in Words | | INR Two Lakh Nineteen Thousand Three Hundred & Sixty and Paise Fifty Four Only | | | | |

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Contract No: NHIDCL/Manipur/NH-53(New NH-37)/Maintenance/Pkg-III

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| 1 | 2 | 4 | 5 | 6 | 53 | 55 |
| 1 | Earth Works | | | | | |
| 1.1 | Construction of Embankment with Material obtained from Borrow pits Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2 | 96000.000 | cum | 133.91 | 12855360.00 | INR One Crore Twenty Eight Lakh Fifty Five Thousand Three Hundred & Sixty Only |
| 1.2 | Construction of Subgrade and Earthen Shoulders with approved material obtained from borrow pits with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of table No. 300-2 | 48000.000 | cum | 249.56 | 11978880.00 | INR One Crore Nineteen Lakh Seventy Eight Thousand Eight Hundred & Eighty Only |
| 2 | Granular Sub-Base with Coarse Graded Material (Table:- 400-2) Construction of granular sub-base by providing coarse graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per clause 401 | | | | | |
| 2.1 | I.R.C. Grade-II | 12600.000 | cum | 3438.49 | 43324974.00 | INR Four Crore Thirty Three Lakh Twenty Four Thousand Nine Hundred & Seventy |
| 2.2 | I.R.C. Grade-III | 12600.000 | cum | 3394.80 | 42774480.00 | INR Four Crore Twenty Seven Lakh Seventy Four Thousand Four Hundred & Eighty Only |
| 3 | Providing, laying, spreading and compacting and stone aggregate of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with power roller 8-10 tones in stages to proper grade and camber, applying and brooming requisite interstices of coarse aggregates, watering and rolling making necessary earthen bund to protect edges, lighting guarding, barricading and maintenance of diversion etc. By Mechanical Means | | | | | |
| 3.1 | I.R.C. Grade-II | 9135.000 | cum | 3654.72 | 33385867.20 | INR Three Crore Thirty Three Lakh Eighty Five Thousand Eight Hundred & Sixty Seven and Paise Twenty Only |

| | | | | | | |
|-----------------------------|---|------------|-------|-----------|--|--|
| 3.2 | I.R.C. Grade-III | 9135.000 | cum | 3852.62 | 35193683.70 | INR Three Crore Fifty One Lakh Ninety Three Thousand Six Hundred & Eighty Three and Paise Seventy Only |
| 4 | Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer using mechanical means. (A) On WBM;/WMM surface @ 0.70- 1.00 kg/Sqm. as per clause 502 of Ministry of Road Transport & Highways Specifications for Road and Bridge Works (Fifth Revision) | 121800.000 | Sqm | 61.94 | 7544292.00 | INR Seventy Five Lakh Forty Four Thousand Two Hundred & Ninety Two Only |
| 5 | Providing and applying tack coat with bitumen emulsion using emulsion pressuring distributor on the prepared bituminous/granular surface cleaned with mechanical broom. (I) On bituminous surface @ 0.20-0.30 kg/sqm as per clause 503 of Ministry of Road Transport & Highways Specifications for Road and Bridge Works (Fifth Revision) | 121800.000 | Sqm | 17.88 | 2177784.00 | INR Twenty One Lakh Seventy Seven Thousand Seven Hundred & Eighty Four Only |
| 6 | Providing and laying dense graded bituminous macadam with 40-60 TPH batch type HMP producing an average output of 35 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder @ 4.25 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No.507 complete in all respects. ii) For Grading II (19 mm nominal size) A) Using Bitumen 60/70 | 6090.000 | cum | 12502.82 | 76142173.80 | INR Seven Crore Sixty One Lakh Forty Two Thousand One Hundred & Seventy Three and Paise Eighty Only |
| 7 | Providing and laying bituminous concrete with 40-60 TPH batch type hot mix plant producing an average output of 35 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth desired compaction as per MoRTH specification clause No.509 complete in all respects. ii) Grading - II-13 mm (Nominal Size) (A) Using Bitumen 60/70 | 4872.000 | cum | 13897.06 | 67706476.32 | INR Six Crore Seventy Seven Lakh Six Thousand Four Hundred & Seventy Six and Paise Thirty Two Only |
| 8 | Metal Beam Crash Barrier Type - a, "W" : Metal Beam Crash Barrier Providing and erecting a "W" metal Beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, ISMB 150 x 75 x 5 mm spaced 2 m centre, 1.8 m high, 1.1 m below road/ road level, all steel parts and fittings to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long complete as per clause 810 a) For Post Height of 1.2m | 2180.000 | Rm | 5242.52 | 11428693.60 | INR One Crore Fourteen Lakh Twenty Eight Thousand Six Hundred & Ninety Three and Paise Sixty Only |
| 9 | Filling Pot-holes and Patch Repairs with Bituminous Concrete, 40mm. Removal of all failed material, trimming of completed excavations to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavations as per clause 503, back filling the pot holes with hot bituminous material as per clause 504, compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 .(B) Grading-II | 31150.000 | sqm | 312.70 | 9740605.00 | INR Ninety Seven Lakh Forty Thousand Six Hundred & Five Only |
| 10 | Providing Timber Planks for bridge work | 180.000 | cum | 38983.09 | 7016956.20 | INR Seventy Lakh Sixteen Thousand Nine |
| 11 | Fixing Mild Steel Boils and Nuts for bridge work | 10.000 | Tonne | 111270.96 | 1112709.60 | INR Eleven Lakh Twelve Thousand Seven |
| Total in Figures | | | | | 362382935.42 | INR Thirty Four Crore Ninety Five Lakh Twenty Seven Thousand Five Hundred & |
| Quoted Rate in Words | | | | | INR Thirty Four Crore Ninety Five Lakh Twenty Seven Thousand Five Hundred & Seventy Five and Paise Forty Two Only | |

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| 1 | 2 | 4 | 5 | 6 | 53 | 55 |
| 1 | Providing and supply of Following manpower for misc. work as when required basis as per instruction of the Engineer. | | | | | |
| 1.01 | Mate/Supervisor | 180.000 | Per Day | 450.00 | 81000.00 | INR Eighty One Thousand Only |
| 1.02 | Helper/Beldar/Coolie | 360.000 | Per Day | 300.00 | 108000.00 | INR One Lakh Eight Thousand Only |
| 1.03 | Security Guard | 180.000 | Per Day | 450.00 | 81000.00 | INR Eighty One Thousand Only |
| Total in Figures | | | | | 270000.00 | INR Two Lakh Seventy Thousand Only |
| Quoted Rate in Words | | INR Two Lakh Seventy Thousand Only | | | | |